T BOOK

sions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
	IT - 66594		
	KST - 133188		
	fso - 216431		
	Cur - 33297		
	CBT - 3330		
	Roy - 46339		
	Fire - 3100		
	502279=00		

First & Final Bill

BR-298
20-11-15

M.A.R. 57 (Rule 116)

Measurement Book No. A/11 193537

Serial No.....

Name of work: Construction of Culverts at Ramachandrapura, Doddabomma Sandra, Channelshwari Layout and Nanjappa Layout in ward No-10, Doddabommasandra,

Name of Contractor or nature of Agency: Sri, R.S. Thyagaraj.

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Work Code NO: 010-15-000047.						
	Agreement NO: 313 Dated 16-02-2015.						
	Work order NO: EE/BTP/BBMP/E-PMT/313/2014-15, Date 16-02-2015.						
	Head of Account: P-1776						
	Address of Agency: #15, Ramachandrapura, Jallahalli post, Bangalore						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	1) Earth work excavation for foundation of buildings, Culverts water supply, Sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in Hard soil not exceeding 1.5mt in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50mts after breaking of clods etc complete as per specifications						
	a) Nanjappa Layout 8th Main	L	6.90	1.80	1.20	= 14.90cum	
	b) BEL 2nd Block 3rd Cross	L	8.00	1.80	1.20	= 17.28 Cum	
	c) BEL 2nd Block 2nd Cross	L	7.50	1.80	1.20	= 16.20 Cum	
	d) BEL 2nd Block, 9th Main Cross	L	7.40	1.80	1.20	= 15.98 Cum	
	e) Chamundeshwari Layout 2nd Main 1st Cross	L	7.60	1.80	1.20	= 16.42 Cum	

M.A.R. 57

Measurem

Serial No.....

Name of work.....From.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	D	
		Number	Leng
1	2	3	4
f)	Chamundeshwari Layout 1st Main 1st cross	L	7.7
g)	Ramachandrapura Old Village	L	7.10
h)	RK School Road	L	7.0
i)	Gopalappa Garden near Municipality Road	L	6.1
j)	Doddaboramaiah - dera	1	5.0
		Qty limited @ Rs 248.	

EASUREMENT BOOK

Dimensions				Contents	Reference to last Measurement
lumber 3	Length 4	Breadth 5	Depth 6	7	8
ion for foundation of buildings, Culverts					
tary line and electrical conduits either					
hes 1·5m and above in width in Hard					
1·5m in depth including dressing the					
of Pits and trenches, Shackling the excavated					
ges of excavation with lead upto 50mts					
ds etc complete as per Specification)					
L	6·90	1·80	1·20 =	14·90cum	
	8·00	1·80	1·20 =	17·28 Cum	
	7·50	1·80	1·20 =	16·20 Cum	
	7·40	1·80	1·20 =	15·98 Cum	
	7·60	1·80	1·20 =	16·42 Cum	

M.A.R. 57 (Rule 116)

Measurement Book

No. A/11 193538

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
f)	Chamundeshwari Layout 1st Main 1st cross	1	7·70	1·80	1·20 =	16·63 Cum	
g)	Ramachandrapura old village	1	7·10	1·80	0·90 =	11·50 Cum	
h)	RR School Road	1	7·00	1·80	0·90 =	11·34 Cum	
i)	Gopalappa Garden near Munireddy House	1	6·10	1·80	0·90 =	9·88 Cum	
j)	Doddaboramadi-dera	1	5·00	1·80	0·90 =	8·10 Cum	
					Total =	138·24 Cum	
	Qty admitted to tender @ Rs 248·72				=	135·40 Cum	
						Rs 33676·69	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	2) providding and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs with down and down size graded granite metal coarse aggregates @ 0.85 cum and fine aggregates @ 0.57 cum machine mixed, concrete laid in layers not exceeding 15cms thick, well compacted, in foundation and plinth						
	a) Narsappa Layout 8th Main	L	6.90	1.80	0.15 =	1.86 cum	
	b) BEL 2nd Block 3rd Cross	L	8.00	1.80	0.15 =	2.16 cum	
	c) BEL 2nd Block, 2nd Cross	L	7.50	1.80	0.15 =	2.03 cum	
	d) BEL 2nd Block, 9th Main Road	L	7.40	1.80	0.15 =	2.05 cum 1.99	
	e) Chamundeshwari Layout 2nd Main 3rd Cross	L	7.60	1.80	0.15 =	2.08 cum 2.05	

Serial No.....

Name of work.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Num
1	2	
	f) Chamundeshwari Layout 8th Main 8th Cross	L
	g) Ramachandrapura Old Village	L
	h) RR School near	L
	i) Gopalappa Garden near Venireddy House	L
	j) Doddaboommagemada	L

MEASUREMENT BOOK

Dimensions				Contents	Reference to last Measurement
Number 3	Length 4	Breadth 5	Depth 6	7	8
ying in position plain cement concrete of mix ment @ 150kgs with down and down size metal coarse aggregates @ 0.85 cum and @ 0.57 cum machine mixed, concrete laid ceeding 15cms thick, well compacted, in olinth,					
L	6.90	1.80	0.15 =	1.86 cum	
L	8.00	1.80	0.15 =	2.16 cum	
L	7.50	1.80	0.15 =	2.03 cum	
L	7.40	1.80	0.15 =	2.05 cum	
				1.99	
L	7.60	1.80	0.15 =	2.08 cum	
				2.05	

M.A.R. 57 (Rule 116)

Measurement Book No. A/11 193539

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
1)	Chamundesh ward Lay 1st Main 1st Cross	L	7.70	1.80	0.15 =	2.07 cum	
2)	Ramachandrapura old village	L	7.10	1.80	0.15 =	1.92 cum	
3)	RR School near	L	7.00	1.80	0.15 =	1.89 cum	
4)	Gopalappa Garden near Narireddy House	L	8.10	1.80	0.15 =	1.65 cum	
		L	5.00	1.80	0.15 =	1.35 cum	
					Total	18.98 cum	
5)	Doddaboommazemada	Qty limited to Tender =				16.93 cum	
		@ Rs 4556.21				Rs 77136.64	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	3) providing and construction granite/trap/basalt Size Stone masonry in Superstructure with cement mortar 1:6 edges of stones Chisle dressed in courses not less than 15 cms high, bond stones at 2mt, apart in each course including cost of materials, labours, curing etc complete as per specifications						
	a) Manjappa Layout 8th Main	2	6.90	0.60	0.90 =	7.45 cum	
	b) BEL 2nd Block 3rd cross	2	8.00	0.60	0.90 =	8.64 cum	
	c) BEL 2nd Block 2nd Cross	2	7.50	0.60	0.90 =	8.10 cum	C&FC
	d) BEL 2nd Block 4th Main Cross	2	7.40	0.60	0.90 =	7.99 cum	
	e) Chamundeshwari LO 2nd Main 1st Cross	2	7.60	0.60	0.90 =	8.21 cum	
	f) Chamundeshwari LO 1st Main 1st Cross	2	7.70	0.60	0.75 =	8.32 cum	
						6.93	

Executive Engr
Byatarayanapura
BBMP, Bangalore

M.A.R.

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Serial No.....

Name of work.....Fron

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number
1	2	3
	g) Ramachandrapura Old village	2
	h) RR School near	2
	i) Gopalappa Gowder Municipal ward	2
	j) Doddaboommasandra	2
		Qty
		@ Rs

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8
			on granite/trap/basalt Size Stone masonary	
			cement mortar 1:6 edges of stones	
			not less than 15 cms hogh bond	
			in each course including cost of	
			ng etc complete as per specifications	
6.90	0.60	0.90 =	7.45 cum	
8.00	0.60	0.90 =	8.64 cum	
7.50	0.60	0.90 =	8.10cum	
7.40	0.60	0.90 =	7.99 cum	
7.60	0.60	0.90 =	8.21 cum	
7.70	0.60	0.75 =	8.32 cum	

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Executive Engr
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BBMP, Bangalo
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M.A.R. 57 (Rule 116)

Measurement Book

No. A/11 193540

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
g)	Ramachandrapura Old village	2	7.10	0.60	0.75 =	6.39 cum	
h)	RR School near	2	7.00	0.60	0.60 =	5.04 cum	
i)	Gopalappa Gowder Muniredday house	2	6.10	0.60	0.60 =	4.39 cum	
j)	Doddaboramaranna	2	5.00	0.60	0.60 =	3.60 cum	
					Total =	68.13 cum	66.74
					Qty limited to Tender =	67.72 Cum	
					@ Rs 4487.18	Rs 303876.83	299474

C&FC

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
7)	providing mild steel reinforcement for RCC work including straightening cutting, bending, hooking placing in position, lapping and/or welding wherever required, tying with binding wire and ancharing to the adjoining members wherever necessary complete Qty vide Page no - 193595 - 193596 of this MB no - 1936					= 23.360 qtl	
	@ Rs 7497.30					Rs 175136.93	
8)	providing and removing centering, shuttering, straking, propping etc, and removal of form work for vertical surface such of walls at any thickness including attached Pilasters,						

Serial No.....

Name of work.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Nu
1	2	
	Bottom	
a)		
b)		
c)		
d)		
e)		
f)		
g)		
h)		
i)		

REMENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8
reinforcement for RCC work				
g cutting, bending, hooking				
apping and/or welding wherever				
binding wire and anchoring				
bers wherever necessary complete				
193595 – 193596				
1936			= 23.360 Qtl	
7497.30			Rs 175136.93	
centering, shuttering, Staging, propping				
m work for vertical surface Each				
lls including attached Pilasters				

M.A.R. 57 (Rule 116)

Measurement Book

No. A/11 193544

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Bottom						
a)		1	6.90	0.60		= 4.140 Sqm	
b)		1	8.00	0.60		= 4.800 Sqm	
c)		1	7.50	0.60		= 4.500 Sqm	
d)		1	7.40	0.60		= 4.440 Sqm	
e)		1	7.60	0.60		= 4.560 Sqm	
f)		1	7.70	0.60		= 4.620 Sqm	
g)		1	7.10	0.60		= 4.260 Sqm	
h)		1	7.00	0.60		= 4.200 Sqm	
i)		1	6.10	0.60		= 3.660 Sqm	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
1)		1	5.00	0.60	=	3.00 Sqm	
	Sides						
a)		2	6.80		0.23 =	3.17 Sqm	
b)		2	8.00		0.23 =	3.68 Sqm	
c)		2	7.50		0.23 =	3.45 Sqm	
d)		2	7.40		0.23 =	3.40 Sqm	
e)		2	7.80		0.23 =	3.60 Sqm	
f)		2	7.70		0.23 =	3.54 Sqm	
g)		2	7.10		0.23 =	3.27 Sqm	
h)		2	7.00		0.23 =	3.22 Sqm	
i)		2	6.10		0.23 =	2.81 Sqm	
j)		2	5.00		0.23 =	2.30 Sqm	
1)		10x2	1.00		0.23 =	7.36 Sqm	
					Total =	81.88 Sqm	81.82
		Qty to noted to Tender =				75.57 Sqm	

Serial No.....

Name of work.....

Name of Contractor of nature of Agen

Date of commencement of work.....

Date	Full description, etc, of work
1	2
9)	Lead for Dis Pos rates by Mecha unloading etc @ty wo

EMENT BOOK

Dimensions			Contents	Reference to last Measurement
ength 4	Breadth 5	Depth 6	7	8
·00	0·60	=	3·00 Sqm	
·80		0·23 =	3·17 Sqm	
·00		0·23 =	3·68 Sqm	
·50		0·23 =	3·45 Sqm	
·40		0·23 =	3·40 Sqm	
60		0·23 =	3·60 Sqm	
70		0·23 =	3·54 Sqm	
10		0·23 =	3·27 Sqm	
00		0·23 =	3·22 Sqm	
10		0·23 =	2·81 Sqm	
·00		0·23 =	2·30 Sqm	
·60		0·23 =	7·36 Sqm	
		Total =	81·88 Sqm	
		noted to Tender =	75·57 Sqm	

M.A.R. 57 (Rule 116)

Measurement Book

No. A/11 193545

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	@ Rs 275.10					Rs 20789.31	
	9) Lead for Disposal of Debris shall be payable at carriage rates by mechanical means including loading and unloading etc						
	Qty vide Item no-01					= 135.40 cum	935.21
	@ Rs 69.10					Rs 9356.14	
						Total Rs	928563.74
						Jadhav AE	924165.93

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Certificate Certified that the above work done is Satisfactory and no materials issued from departmentally Zadhav AE 17/11/2015					17/11/15	

BR 218
29/11/15

M.A.R.
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Serial No.....

Name of work.....Fron

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number
1	2	3
	Audited & Admitted for Rs 9245 80545-00 and Rs 115705-00 Accts. Supdt. Byatarayanapura Dn. BBMP	

IREMENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8
			the above work done as el no materials issued from	
			s	

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M.A.R. 57 (Rule 116)

Measurement Book

93546

Serial No.....

Name of work.....From.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Audited & Admitted for Rs 924560-00 805455-00 and Rs 118705-00 By account Krishnaprasad & Ramesh Accts. Suppl. Byatarayanapura Dn. BBMP						

IT - 9242-00
VAT - 36967-00
LWF - 9242-00
CSF - 925-00
LR - 8000-00
PSD - 50829-00
PWC - 3500-00
Total - 118705-00